

Section 1: Product and Company Identification

Absolute Accuracy
4591 S Wayside Dr
Houston, TX 77087
(832) 571-2387

Product Code: 1728

Section 2: Hazards Identification



Warning

Hazard Classification:

Gases Under Pressure

Hazard Statements:

Contains gas under pressure; may explode if heated

Precautionary Statements

Storage:

Protect from sunlight.
Store in well-ventilated place.

Section 3: Composition/Information on Ingredients

CAS #

124-38-9

Chemical Substance**CARBON DIOXIDE, GAS****Section 4: First Aid Measures****Skin Contact**

If frostbite or freezing occur, immediately flush with plenty of lukewarm water (105-115 F; 41-46 C). DO NOT USE HOT WATER. If warm water is not available, gently wrap affected parts in blankets. Get immediate medical attention.

Section 5: Fire Fighting Measures**Suitable Extinguishing Media****Non-flammable****Section 6: Accidental Release Measures****Personal Precautions**

Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering. Do not touch spilled material.

Methods for Cleanup

Stop leak, evacuate, remove source of ignition.

Section 7: Handling and Storage**Handling**

Subject to storage regulations: U.S. OSHA 29 CFR 1910.101. Keep separated from incompatible substances.

Section 8: Exposure Controls/Personal Protection**Exposure Guidelines**

CARBON DIOXIDE, GAS: CARBON DIOXIDE: 5000 ppm (9000 mg/m3) OSHA TWA 10000 ppm (18000 mg/m3) OSHA TWA (vacated by 58 FR 3533)

Engineering Controls

Handle only in fully enclosed systems.

Eye Protection

For the gas: Eye protection not required, but recommended. For the liquid: Wear splash resistant safety goggles. Contact lenses should not be worn.

General Hygiene considerations

- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

Section 9: Physical and Chemical Properties**Physical State****Gas****Appearance****Colorless**

Flash Point	Flammable
Not flammable	Not available

Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
Not available	-71 F (-57 C) @ 4000 mmHg	43700 mmHg @ 21 C	1.5 (Air=1)	1.522 @ 21 C	Soluble	3.7 (saturated aqueous solution) @ 101.3 kPa (carbonic acid)	Not available	Not applicable	0.01657 cP @ 0 C

Molecular Weight	Molecular Formula
44.01	C-O2

Section 10: Stability and Reactivity

Stability
Stable at normal temperatures and pressure.
Hazardous Decomposition Products
Carbon monoxide

Section 11: Toxicology Information

Acute Effects

Oral LD50
Not established

Eye Irritation
Irritation, frostbite, blurred vision

Chronic Effects

Carcinogenicity
Not available

Section 12: Ecological Information

Fate and Transport

Eco toxicity
Fish toxicity: 150000 ug/L 48 day(s) (Mortality) Brown trout (Salmo trutta) Invertebrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available

Section 13: Disposal Considerations

Dispose in accordance with all applicable regulations.
--

Section 14: Transportation Information

U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number
Carbon dioxide	UN1013

Canadian Transportation of Dangerous Goods

Shipping Name
Carbon dioxide

Section 15: Regulatory Information

U.S. Regulations

CERCLA Sections
Not regulated.

SARA 370.21

Acute
Yes

SARA 372.65

Not regulated.

OSHA Process Safety

Not regulated.

State Regulations

CA Proposition 65
Not regulated.

Canadian Regulations

WHMIS Classification
A

National Inventory Status

US Inventory (TSCA)
Listed on inventory.

Section 16: Other Information

NFPA Rating
HEALTH=3 FIRE=0 REACTIVITY=0 SPECIAL=SA

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard